

SIKHARULIDZE, I.A., professor

Long-term observations of glaucoma cases treated by surgery. Oft.
zhur. 12 no.4:204-207 '57. (MIRA 10:11)

1. Iz galznoy kliniki Tbilisskogo meditsinskogo instituta.
(GLAUCOMA) (EYE--SURGERY)

SIKHARULIDZE, I.A., prof.

Eye injuries in children and peculiarities of their clinical course.
Oft. zhur. 16 no.1: 25-29 '61. (MIRA 14:3)

1. Iz kafedry glaznykh bolezney (zav. - zasluzhennyy deyatel' nauki
prof. I.A. SIKHARULIDZE) Tbilisskogo meditsinskogo instituta.
(EYE-WOUNDS AND INJURIES)

SIKHARULIDZE, I.A., zasl. deyatel' nauki, prof., otv. red.;
BERADZE, N.I., dots., otv. red.; ARKHANGEL'SKIY, V.N.,
prof., red.; ABULADZE, V.A., red.; ANTELAVA, D.N., kand.
med. nauk, red.; BOGOELOVSKIY, A.I., doktor biol. nauk,
red.; BUNIN, A.Ya., kand. med. nauk, red.; VILENKINA, A.,
doktor med. nauk, red.; VISNEVSKIY, N.A., prof., red.;
ZARUBIN, G.S., nauchn. sotr., red.; ITSIKSON, L.Ya., kand.
med. nauk, red.; KRASNOV, M.L., zasl. deyatel' nauki, prof.,
red.; MACHARASHVILI, F.D., zasl. vrach Gruz. SSR, red.;
PUCHKOVSKAYA, N.A., prof., red.; RABKIN, Ye.B., prof., red.;
RSHZHECHITSKAYA, O.V., kand. med. nauk, red.; RDSLAVTSEV,
A.V., st. nauchn. sotr., red.; TARTAKOVSKAYA, A.I., kand.
med. nauk, red.; FRADKIN, M.Ya., prof., red.; KHAYUTIN, S.M.,
prof., red.; CHERNYAKOVSKIY, G.Ya., kand. med. nauk, red.;
CHKONIYA, E.A., kand. med. nauk, red.; SHATILOVA, T.A.,
doktor med. nauk, red.; YAKOVLEV, A.A., nauchn.sotr., red.

[Materials of the Secnd All-Union Conference of Ophthalmologists] Materialy Vsesoiuznoi konferentsii oftal'mologov
gov. Tbilisi, Respublikanskoe nauchn. ob-vo oftal'mologov
Gruz.SSR, 1961. 498 p. (MIRA 18:1)

1. Vsesoyuznaya konferentsiya oftal'mologov, 2d, Tiflis, 1961.
2. Chlen-korrespondent AMN SSSR (for Arkhangel'skiy).

Секретно

Секретно Мара Марашвили
и ее семье. Семья Марашвили имеет
стремление сохранить известность своей
имени в тени. Поэтому неизвестные лица
1041. 1952. 25. Абхазия, Краснодарский край.
Люди из этого города, которые не хотят, чтобы
их звали по имени Марашвили, должны были бы
быть вынуждены жить в другой стране.
1042. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1043. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1044. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1045. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1046. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1047. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1048. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.
1049. 1953. 26. Тбилиси. Бывший президент Грузии
Борис Березовский, который был
известен как один из самых влиятельных
членов КПСС, был арестован в Тбилиси.

25
Документы по делу о
убийстве Бориса Ельцина

Def. at
Tbilisi State U.

DEHARVILLAT, M.M.; LIZHAVA, A.S.

Interepithelial junction in the cloaca of some amphibians,
reptiles and domestic hens. Trudy Tbil. GU 88:71-87 '63.
(MIRA 18:8)

1. Kafedra gistologii Tbilisskogo universiteta.

Sov. Akad. Nauk, Tbilisi

"A Comparative Histological Investigation of the Mucous Membrane in the Cloaca of Certain Amphibians, Reptiles, and Birds." Cand Biol Sci, Tbilisi State University imeni I. V. Stalin, Tbilisi, 1955. (IL, No 12 March 55)

So: Sum. No 170, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

SOV/68-59-5-14/25

AUTHOR: Kakabadze, V.M., Doctor of Technical Sciences, and
Sikharulidze, N.G.

TITLE: On the Problem of Decreasing the Consumption of Calcine Soda in the Arsenic Soda Method of Purification of Industrial Gases from Hydrogen Sulphide (K voprosu snizheniya raskhoda kal'tsinirovannoy sody pri mysh'yakovo-sodovom sposobe ochistki promyshlennyykh gazov ot serovodoroda)

PERIODICAL: Koks i khimiya, 1959, Nr 5, pp 39-42 (USSR)

ABSTRACT: The consumption of calcined soda takes place during the regeneration of the absorbing solution due to the formation of hyposulphite and thiocyanide. Therefore, by decreasing the formation of the above two compounds, the consumption of soda can be reduced. During studies of the solubility of arsenic trisulphide in alkali solutions the authors found that sodium sulphide is the best solvent (Table 1) and when the latter is used as a solvent the ratio of Na : As can be decreased to 0.98 without the precipitation of arsenic (while this ratio for the industrial absorbing solution equals 1.8). The influence of the Na:As ratio on the formation of

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On the Problem of Decreasing the Consumption of Calcine Soda in the Arsenic Method of Purification of Industrial Gases from Hydrogen Sulphide

hyposulphite was investigated. It was found that the relationship can be expressed by and equation $K = ae^{bc}$ (Fig 1), where K = velocity of formation of hyposulphite, g/l/hr 10^{-3} ; e = base of natural logarithms; c = ratio of Na:S; and a and b = constants. In view of the above, by using sodium sulphide instead of soda a decrease in the consumption of alkali can be obtained. Since sodium sulphide is more expensive than soda, the authors tested a soda solution saturated with hydrogen sulphide by passing raw coke oven gas. The results of the study of the saturation process are shown in Table 2. It was found that 90% of the initially absorbed cyanide is blown back into the gas and that about 62% saturation of H_2S can be obtained. The use of saturated soda solution for maintaining pH of arsenic absorbing solution was tested on the Zakavkazskiy Coking Plant. The diagram of the plant used for saturation is shown in Fig 3 and the influence of using saturated soda solution

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On the Problem of Decreasing the Consumption of Calcine Soda in the
Arsenic Soda Method of Purification of Industrial Gases from Hydrogen
Sulphide

on the consumption of calcined soda and arsenic in
Table 3. The results obtained indicated that the
consumption of soda decreased by 24% without any increase
Card 3/3 in the consumption of arsenic.

There are 3 figures, 3 tables and 3 Soviet references.

ASSOCIATION: Gruzinskiy politekhnicheskiy institut
(Georgian polytechnical institute)

AUTHORS: Kakabadze, V.M. Doctor of Technical Sciences,
Sikharulidze, N.G., and Cholokava, N.K.
SOV/68-59-6..9/25
TITLE: On the Problem of Establishing the Activity of a
Soda-Arsenical Solution for Sulphur Purification (K
voprosu ustanovleniya aktivnosti poglotitel'nogo
rastvora mysh'yakovo-sodovoy seroochistki)

PERIODICAL: Koks i Khimiya, 1959 Nr 6, pp 35-38 (USSR)

ABSTRACT: The present method of the determination of the conventional activity of soda-arsenical solution shows no relationship between absorption determined and the degree of purification of gas from H_2S obtained. The cause of this discrepancy is as follows: on determining the activity, oxygen containing arsenical compounds precipitated by treatment of the analysed solution with the magnesia mixture are deducted from the residual arsenic. Meanwhile the treatment removes compounds of the type $Na_3HAs_2S_4O_3$ which are the most active in the absorption of hydrogen sulphide. The activity in the absorption solution of hydrogen sulphide is evaluated by ΔpH (difference in pH before and after also evaluated by ΔpH of the solution). The authors proposed the regeneration of the solution.

Card 1/2 of the solution. 0.16
acute) cut res.

KAKABADZE, V.M.; SIKHARULIDZE, N.G.

The establishment of the interrelation between the individual factors of a normal technological regime in the arsenic-soda process of sulfur removal. Koks i khim. no.11:43-45 '60. (MIRA 13:11)

1. Gruzinskiy politekhnicheskiy institut.
(Coke-oven gas) (Hydrogen sulfide)

SIKHARULIDZE, N.I.

Some results of the study of the partial and complete removal of
the visual analysoz in dogs. Soob. AN Gruz. SSR 28 no.6:725-
732 Je '62. (MIRA 15:7)

1. Tbilisskiy gosudarstvennyy universitet. Predstavleno
akademikom I.S.Beritashvili.
(VISION RESEARCH)

SIKHARULIDZE, N.G.; TSITSISHVILI, G.V.; ANDRONIKASHVILI, T.G.

Purification of air in oxygen shops by removing acetylene traces on zeolite adsorbents. Zhur. prikl. khim. 38 no.7:1536-1541 Jl '65. (MIRA 18:7)

SIRKASULISHE, N.I.

Study of the effect of the removal of various portions of the
temporal lobe on the visual function in dogs. Soob. AN Gruz.
ESR 36 no.1:187-194 O '64. (MLIA 18:3)

SIKHARULIDZE, N.Sh.

Effect of fertilizers on the quality of wine. Soob. AN Gruz.
SSR 32 no. 1,67-72 O '63. (MIRA 17:9)

SIKHARULIDZE, T.A.

Testing morphogenetic capacities of the crystalline lens at the stage of its separation from the ectoderm. Soob.AM Gruz.SSR 8 no.7:485-489 '47. (MIRA 9:7)

1. Akademiya nauk Gruzinskoy SSR, Zoologicheskiy institut, Tbilisi. Predstavleno deystvitel'nym chленом Akademii F.A.Zaytsevym.
(Crystalline lens)

Tbilisi State U.
D. U.

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SIKHARULIDZE, T.A.

Investigation of possible form changes in the epithelium of the crystalline lens of certain Anura [in Georgian with summary in Russian]. Trudy Zool.inst. AM Grus.SSR 10:267-278 '51.(MLRA 7:7)
(Anura) (Crystalline lens)

SIKHARULIDZE, T.A.

Formation of the crystalline lens by transplanting resorbable epithelial tissues. Dokl. AN SSSR 95 no. 4:901-903 Ap '53.

(MLRA 7:3)

1. Institut zoologii Akademii nauk Orus.SSR.
(Crystalline lens) (Transplantation (Physiology))

SIKHARULIDZE, T. A.

USSR/General Biology. Individual Development. Transplantations
and Cytotransfusions.

D-4

Res. Jour: Ref Zhur-Biol., No 20, 1953, 90379.

Author : Sikhariulidze, T.A.
Inst : The Institute for Zoology, Georgian S.S.R.
Title : The Replacement of the Crystalline Lens in Rabbits with
Embryonic Epithelial Metamorphosis.

Orig. Pub: Tr. in-to zool. M GruzSSR, 1956, 14, 337-356.

Abstract: The crystalline lenses (X) of mature rabbits' eyes were replaced by fresh (1st series) or preserved (2nd series) epidermis or segments of the iris of 15-20 day embryos. As a control, the X was removed without any substitution of the defect (3rd series). In each series there were 2 variations: the lens was removed with or without its suspensory ligament, which did not produce any dif-

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USSR/General Biology. Individual Development. Transplantations
and Coalescence.

E-4

Obs Jour: Ref Zhur-Biol., No 20, 1958, 90379.

ference in the experimental results. In the experimental series a histological study was made of 25 eyes; 8 were fixed in early stages (from 2 hours to 15 days); the transplant was not found in half of them (had separated), in 3 cases it remained unchanged and in the earliest case it decomposed. The remaining 17 eyes were checked 30-421 days after operation. In the eyes, checked on the 350th day (2 cases) and 421st day (1 case) nearly normal X was discovered. Besides this, several cases had an X formation which differed from the norm in size and histological structure, in individual cases cataractous changes were noticed. Transplants were not discovered.

Card : 2/3

KOBAKHIDZE, D.N.; SIKLARULIDZE, T.A.; SVANIDZE, I.K.

Material on the effect of the ecological environment on the
structure of the visual apparatus in some of the saltatorial
orthoptera. Soob.AN Gruz.SSR 22 no.5:569-572 My '59.
(MIRA 12:11)

1. Akademiya nauk Gruzinской SSR, Institut zoologii, Tbilisi.
Predstavлено академиком N.N.Ketskhoveli.
(EYE) (SALTATORIA)

SIKHARULIDZE, T.A.

Regeneration of the crystalline lens in the cataractous eye of a
rabbit [in Georgian with summary in Russian]. Trudy Inst. zool.
AN Gruz. SSR 17:1, 1-168 '60. (MIR 13:11)
(Cataract) (Crystalline lens) (Regeneration (Biology))

KOBAKHIDZE, D.N.; SIKHARULIDZE, T.A.; SVANIDZE, I.K.

Material on the effect of different lengths of daily activity on the
structure of the visual organ in certain lepidoptera. Soob. AN Gruz.
SER. 24 no.6:723-726 Je '60. (MIRA 13:9)

1. AN GruzSSR, Institut zoologii, Tbilisi. Predstavлено академиком
N.N. Ketskhoveli.
(Lepidoptera) (Eye)

SIKHARULIDZE, T.A.

Characteristics of the landform zones of Abkhazia. Trudy Geog.
ob-va Gruz. SSR 7:171-180 '63. (MIRA 18:5)

L 43101-65 EWG(j)/EWG(r)/EWT(1)/FS(r)-3/EWG(v)/EWG(a)-2/EWG(c) Pb-1/Fe-5 DD
ACCESSION NR: AR5008616 S/0299/65/000/004/M021/M021

SOURCE: Ref. zh. Biologiya. Svodnyj tom, Abs. 4M114

AUTHOR: Sikharulidze, T. A.; Popov, V. V.

TITLE: Some data on experimental effects on the regeneration of the lens in mammals

CITED SOURCE: Sb. Probl. sovrem. embriol. M., Mosk. un-t, 1964, 521-531

TOPIC TAGS: tissue transplant, tissue regeneration, crystalline lens, cataract surgery,
epidermal flap, embryo tissue

TRANSLATION: The cataractous lens of adult rabbits, 3 months to 1 year of age, was removed and replaced with a flap of eyelid epidermis from 15-20 day-old embryos after 6-7 days of preservation. The operation was performed on a total of 105 animals. In 30-40% of the recipients, the constructed lens was regenerated more or less correctly, according to the authors' opinion, from the material of the transplantate. There was

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eye, nor from the lens capsule, in control animals in the absence of ~~any~~

E. Panteleyev

SUB CODE: LS

ENCL: 00

Card 1/1 EJ8

SIKHARULIKH, T.S.

Surgical treatment of an isolated burn of the stomach. Soob. AN Cruz.
SSR 32 no. 21489-194 '63. (MIRA 18:1)

1. Submitted October 3, 1962.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550530004-8"

SIKHARULIDZE, T. S.

USSR / Microbiology. Microorganisms Pathogenic to Humans and
Animals.

F-5

Abs Jour : Rof Zhur - Biol., No 20, 1958, No. 90929

Author : Sikhariulidzo, T. S.

Inst : Not given

Title : A Study of the Microflora of Acute and Chronic Appendicitis
(Based on a study of operative material)

Orig Pub : Socobshch. AN GruzSSR, 1957, 19, No 1, 105-112 (Georgian)

Abstract : The microflora of the vermiform appendix was investigated
in 50 cases of various forms of acute appendicitis and
50 cases of chronic appendicitis. It was found that the
causative agent of appendicitis (acute and chronic) was
a multiple infection provoked by aerobic and anaerobic
microflora. Enteric bacilli came first in frequency.
Enteric bacilli in association with ontorococci and other

Card 1/2 *Thilisi State Medical Inst.*

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SIKHARULIDZE, T.S., kand.med.nauk

Jejunal phlegmon. Khirurgiiia 34 no.9:105-106 S '58.

(MIRA 12:4)

1. Iz kafedry gospital'noy khirurgii lechebnogo fakul'teta (zav. -
zasluzhennyy deyatel' nauki Gruzinskoy SSR K.D. Eristavi) Tbilisi-
skogo gosudarstvennogo meditsinskogo instituta.

(PHLEGMON)

CHACHANIDZE, A.I.; SIKHARULIDZE, T.S.

Materials on the study of subcutaneous injury of the liver. Soob.
AN Gruz. SSR 27 no.1:101-106 J1 '61. (MIRA 16:8)

1. Tbilisskiy gosudarstvennyy meditsinskiy institut. Predstavлено
академиком AN GruzSSR K.D.Eristavi.
(LIVER--WOUNDS AND INJURIES)

SIKHARULIDZE, T.S.; LOMIDZE, T.L.

Treatment of multiple ulcers of the stomach and duodenum.
Soob. AN Gruz. SSR 31 no. 2:475-479 Ag '63. (MIRA 17:7)

MOSEVOY, V.A.; GOKSADZE, V.N.; SIKHARULIDZE, V.G.; CHIRUNADZE, L.V.
DZHILISHVILI, L.V.; G. RITSVELI, D.V.

Using refractory concrete for laying the brickwork in the basin
of a slag-melting tank furnace. Ogneupory 29 no.10:4/1-475 '64.
(MIA 18:7)

1. Sovet narodnogo khozyaystva GruzSSR (for Mostovoy). 2. Rustav-
skiy zavod mineralovatnykh izdeliy (for Goksadze, Sikharulidze,
Chirunadze). 3. Tbilisciy gosudarstvennyy nauchno-issledovatel'-
skiy institut stritel'stykh materialov (for Izhinashvili, Gar-
shvili).

KUKSIN, I.I.; BITERMAN, I.I.; YEREMIN, I.A.; ROTNITSKIY, M.L.; SIKHARULIDZE,
V.I.; KARPENKO, V.M.

Continuous-action furnaces for the production of mineral wool
from molten blast-furnace slag. Stroi. mat. 11 no.4:32-34
Ap '65. (MIRA 18:6)

1. Institut Teploprojekt (for Kuksin, Biterman, Yeremin,
Rotnitskiy). 2. Rustavskiy zavod mineralovatnykh izdeliy
(for Sikharulidze). 3. Krivorozhskiy metallurgicheskiy
zavod imeni Lenina (for Karpenko).

SIKHARULIDZE, Ya.M.

Increasing the durability of ingot molds at the Rustavi Metallurgical Plant. Stal' 24 no.2:124-125 F '64. (MIRA 17:9)

1. Tbilisskiy proyektno-tehnologicheskiy i nauchno-issledovatel'skiy institut mashinostroyeniya i elektrotehniki.

SIKHARULIEZE, Ya.M.; KATSITADZE, Sh.S.; BERAYA, M.M.

Flux for the melting of bronze. Lit. proizv. no.6:36 Je '64.
(MIRA 18:5)

LOPUKHOV, Ivan Prokop'yevich; SIKHARULIDZE, Yu.M., red.; CHKHARTISHVILI,
K.K., tekhn.red.

[Flowering Adzharia] TSvetushchais Adzhariia. Batumi, Gos.
izd-vo, 1957. 325 p. (MIRA 11:4)
(Adzhar A.S.S.R.--Description and travel)

SIKHARULIDZE, Yuriy Moysayavich, dotsent, kand.istor.nauk; BERDZENISHVILI, N., akademik, red.; KUNCHULIA, G., tekhn.red.

[Toponymy of southwestern Georgia (Adzhar A.S.S.R.)] Toponimika Iugo-zapadnoi Gruzii (Adzharskaia ASSR). Batumi, Gos.izd-vo.
Vol.2. 1959. 189 p. (MIRA 14:1)
(Adzhar A.S.S.R.--Names, Geographical)

NIKHILIN, P.L.; ERTVITSKAYA, Ye.A.

Hormone therapy of bronchial asthma. Trudy Inst. im. N.V.
Skilit. 5 no.2+124-129 '62. (MIRA 18:6)

S/185/62/007/007/010/010
I048/I248

AUTHORS: Shakhpuronov, N.I., Tunin, M.S., Lanshina, L.V., and
Sikhotin, G.G.

TITLE: The hypercoistic properties of liquids and the
structure of molecules

PERIODICAL: Ukrains'kyy fizichnyy zhurnal, v.7, no.7,
1962, 792-796

TEXT: The dispersion of sound velocities in the hyper-
acoustic range was studied in a number of pure liquids, using the
technique described by I.L. Fabelinskiy in UNP 63, 355, 1957. The
experiments were carried out at 20-85°C and were based on the exami-
nation of the fine structure of the 4538 λ Rayleigh line. The

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S/185/62/007/007/010/010
I048/I248

The hyper-acoustic properties of...

having π -electrons, i.e., in all whose molecules are compact and possess a relatively large number of mobile electrons. The mechanism of the acoustic dispersion in non-dissociated liquids is discussed, and a certain analogy is discovered between the structure of a molecule and its tendency towards fluorescence and acoustic relaxation. There are 2 tables.

ASSOCIATION: Moskovskiy universitet (The University of Moscow)

Card 3/3

MAKIYENKO, Semen Ivanovich, inzh.; MENSHEIKOV, Nikolay Aleksandrovich, inzh.;
KONSTANTINOV, Vadim Pavlovich, inzh.; POSPELOV, I.I., retsenzent;
SIKHOV, D.K., red.; IAN, P.M., red.izd-va; BODROVA, V.A., tekhn.red.

[Organization of radio communication, radiobroadcasting, and radio
navigation in inland water transportation] Organizatsiya radio-
sviazi, radioveshchaniya i radionavigatsii na rechnom transporte.
Moskva, Izd-vo "Rechnoi transport," 1960. 130 p.

(MIRA 14:3)

1. Machal'nik svyazi Volshskogo ob'yedineniia rechnogo parokhodstva
(for Pospelov).
(Radio in navigation) (Inland water transportation)

SIKHOV, K.S.; NIKIFOROV, G.S.

Aggregation of tobacco mosaic virus in plant cells in early stages of reproduction. Doklady Akad. nauk SSSR 90 no.5:901-903 11 June 1953.
(CIML 25:1)

1. Presented by Academician A. I. Oparin 23 March 1953. 2. Institute of Genetics of the Academy of Sciences USSR.

SINHULINA, G.T.

Data on the electrophysiology of conditioned reflex changes over.
Dekl. AN SSSR 104 no. 2: 32-334 S '55. (MIA 9:2)

1. Fiziologicheskaya laboratoriya Akademii nauk SSSR. Predstavlene
akademikom L.A.Orbeli.
(Conditioned response) (Electrophysiology)

SIKIC, F.

17th Plenum of the Union of Engineers and Technicians of Yugoslavia. P. 1081.

(THENIKA. Vol. 12, No. 7, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, N^o. 10, October 1957. Uncl.

SIKIC, B.

The work of local organizations of engineers and technicians of Yugoslavia. p. 1084.

(TEHNIKA. Vol 12, No. 7, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Acquisitions (EHAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

YUG/1-59-1-55/67

30(1)

AUTHOR: Šikić, Branišlav, Engineer and Part-time Associate
Professor (Beograd)TITLE: Basic Organizational and Economic Characteristics of
the Forest Industry

PERIODICAL: Tehnika, 1959, Nr 1, pp 149-155 (YUG)

ABSTRACT: This is the third in a series of articles on
forestry practices, i.e. administration, preserva-
tion and upkeep of forests, the costs involved in
these operations and their significance for the
national economy. Afforestation, which is becoming
an important feature and to which more attention
should be paid, is dealt with extensively and re-
ference made to the Fabrika Šibica (Match Plant)
"Drava" in Osijek which has its own poplar plan-
tations. Having dealt in detail with the various as-
pects of the forest industry, the author draws the
following conclusions: 1) activities concerned with

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SIKIC, Br., inz.

In memory of Engineer Bogdan Lakovic, honorary member of
the Union of Engineers and Technicians of Yugoslavia.
Tehnika Jug 17 no.8: 1447-1448 Ag '62.

SIKIC, Branislav, inz.

New regulations on the distribution of net profit. Tehnika Jug
18 no.7:Supplement: Organizacija rada 13 no.7:1365 Jl'63.

1. Nacelnik Odjeljenja za sumarstvo u Sekretarijatu za polje-
privrednu i sumarstvo SIV, Beograd, urednik i odgovorni ured-
nik, "Tehnika, Supplement Organizacija rada".

SIKIC, Branislav, dip. inz.

Work of the Union of Engineers and Technicians of Yugoslavia
and aiding Skopje.Tehnika Jug 18 no.10:1793-1795 0'63

1. Sekretar Saveza inzenjera i tehnicara Jugoslavije.

AMMO, S.

Geographical and geological coal deposits in the central basin of Iberia. p. 149.
1971. (MILITARY INFORMATION)

AMMO: Strategic map of East European economies, (..ML), ED, Vol. 4, no. 1a, Oct. 1955,
incl.

SIKIC, D.

Geology of the hinterland of Biokovo. Geol vjes Hrv 8/9:123-136
'54/'55 [publ. '56]

New finds of the Ianian in Dalmatia. 137-140

SIKIC, Dane, inz. (Zagreb)

Importance of draining subgrade layers built in railway tracks.
Grademinar 15 no.4:126-131 Ap '63.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550530004-8

SIKIC, Dane, Inz. (Zagreb)

pressure of the ballast on the foundations and the sagging of
railway tracks. Gradevinar 16 no.5:186-192 My '64.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550530004-8"

SIKIC, DJURO
SURNAME (in caps); Given Name.

(2)

Country: Yugoslavia

Academic Degrees: / not given /

Affiliation: Central Laboratory of the Center for Health Protection (Centralni
laboratorij Zavoda za zastitu zdravlja), Rijeka

Source: Zagreb, Farmaceutski glasnik, No 7-8, July-August 1961, pp 264-266.

Data: "Contribution to the Method of Determination of Rh Factor."

Authors:

SULC, Zvonimir
SIKIC, Djuro

SIKIC, Drago

A comparative study on the development of the Younger Clastic
Paleogene in Istria, Hrvatsko Primorje, and Dalmatia.
Geol vjes Hrv 15 no.2:329-336 '61 [publ. '63]

1. Tehnoloski fakultet, Zagreb, Pierotijeva b.b.

SIKIC, Dragutin; TOMIC, Artur

New view of the tectonics of the Labin basin. Geol vjes Hrv 14:
35-40 '60 (publ.'61).

1. Zavod za geologiju i paleontologiju Tehnoloskog fakulteta
Sveucilista u Zagrebu, Kacicceva 26; Istarski uljenokopi Rasa.

HERAK, Milan, dr. (Zagreb); BOJANIC, Luka, (Zagreb); SIKIC, Dragutin, (Zagreb);
MACDALEWIC, Antun (Zagreb)

New elements of tectonics in the region of upper Kupa River. Geol
vjes Hrv 14:245-251 '60 (publ.'61).

1. Geolosko-paleontolski zavod Prirodno-matematičkog fakulteta
Sveučilišta u Zagrebu, Zagreb, ul. Socijalističke revolucije 8/II.
2. Član Urednickog odbora, referent, "Geoloski vjesnik" (for Herak).

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550530004-8

SIKIC, L.

"Printing with Variable Contrast Papers" by M. Richard Marx.
Reviewed by L. Sikic. Kem ind 9 no.12:F-90 D '60.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550530004-8"

SIKIC, L.

1-4E2D

✓ Desensitization of photographic emulsions
and L. Sikić ("Fotokemika," Zagreb, Yugoslavia). Krem. I
ind. (Zagreb) 5, 746-534 (1928).—Review, 45 references.
N. Plavšić

RSD
MT

5

SIKIC, M.

The potatoe blight (Phytophthora infestans) and the method for fighting it.

p. 19.
(Vasiona, Vol. 5, No. 1/2, Jan/June 1956, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (ERAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

SIKIC, V.

Fishing on the muddy bottom. p. 96. MORSKO RIBARSTVO. (Udruga -
enje morskog ribarstva Jugoslavije) Rijeka. Vol. 8, no. 3,
March 1956.

SOURCE: East European Accessions List, (EEAL).
Library of Congress Vol. 5, no. 11, Nov. 1956.

VAN DORMAEL, A.; NYS, J.; DEPORTER, H.; SIKIC-BRADIC, L. [translator]

Phenoxine, a new class of spectral sensibilizers. ~~Kem Ind 10~~
~~no. 4: Suppl. P-56 Ap '61.~~

CHIBISOV, K.V.; SIKIC-BRADIC, L., [translator]

Photographic sensibility. Kem ind 10 no.4: Suppl.F- 52-53 Ap '61.

1. Akademija nauka SSSR, Moskva (for Chibisov).

BAN, Z.; SIKIRICA, M.

The silicon floating-zone refining by electron beam heating. Croat
chem acta 34 no.3:175-179 '62.

1. Department of Structural and Inorganic Chemistry, Institut "Ruder
Boskovic", Zagreb, Croatia, Yugoslavia.

YUGOSLAVIA/Human and Animal Morphology - Respiratory System.

S

Abs Jour : Ref Zhur Biol., No 5, 1959, 21481

Author : Sikiric Maksim

Inst Title : Fluid in the Pleural Cavity of the Rabbit on an
X-Ray Film

Orig Pub : Veterin. arch., 1956, 26, No 5-6, 158-164

Abstract : The force of gravity (G) and the degree of resistance of the lungs to compression exert an influence on the arrangement of the fluid (F) in the pleural cavity. The F does not occupy the lowest position, and its upper surface does not form a horizontal line. The arrangement of the F is different in different domestic animals and depends on the structure and volume of their chest cage. Investigations on rabbits have shown that in the standing position the major portion of the F is located in the anterior portion

Card 1/2

BALIĆ, Z.; LUKIĆ, M.

The preparation and crystal structure of some ternary silicides containing uranium and transition metals. *Scripta metallurgica* 36 no. 3:143-149 '64.

Thorium-transition metals ternary silicides. *Ibid.*:153-158

I. Buder Zagrebački Institut, Zagreb. Permanent address of both authors: Laboratory of General and Inorganic Chemistry, Faculty of Science, University of Zagreb, Zagreb. Submitted July 14, 1964, and July 11, 1964.

SIKIRKIN, Aleksandr Stepanovich

[Our work in the collective farm livestock section] Meshch rabota na
kolkhoznoi ferme. Moskva, Gos.isd-vo selkhoz.lit-ry, 1956. 31 p.
(Swine) (MIRA 10:9)

SIKIRYAVYY, A.G.; CHUMICHEV, A.S.; NIKOLAYEV, V.A.; TARANOVA, L.D.;
GUSINSKATA, M.S.

Work of the separation plant of the Ertil' Sugar Factory. Sakh.
prom. no.4:21-23 Ap '60. (MIRA 13:8)

1. Direktor Ertil'skogo sakharnogo zavoda (for Sikiryavy).
2. Glavnnyy inzhener Ertil'skogo sakharnogo zavoda (for Chumichev).
3. Nachal'nik planovogo otdela Ertil'skogo sakharnogo zavoda (for Taranova). 4. Pomoshchnik starshego khimika po separatsii
Ertil'skogo sakharnogo zavoda (for Gusinskaya).
(Ertil'--Sugar manufacture)

SIKITA, B. [Sikyta, B.]; ZAICHEK, I. [Zaicek, J.]

Biosynthesis of erythromycin in pilot plant fermenters. Antibiotiki
& no. 12:1067-1070 D '63. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut antibiotikov, Roztoki pod Pragoy
i Biotika, natsional'noe predpriyatiye, Slovenska Lupcha, Chekhoslo-
vatskaya Sotsialisticheskaya Respublika.

SIKK, A.

On a large scale, Avt. transp. 41 no. 3:18-19 Mr '63.
(MIRA 16:4)

1. Direktor Tartuskogo avtobusno-taksomotornogo parka.

(Tartu--Transportation, Automotive)

SIREA, A.A.

From construction and operation experience of the first Estonian
starch factory on a collective farm. Sakh. prom. 35 no.11:56-60
N '61. (MIRA 15:1)

1. Kolkhoz "Energiya" Estonskoy SSR.
(Estonia--Starch)

SICK, D.

(34)

Program, Collection of Czechoslovak Chemical Communications, Vol. 27,

No. 3, April 1962 (continued)

9. "Separation Methods for Natural Products, Part II. General Discussion Separation and Double Isolation," J. KALO, J. PELIKAN and V. PROCHAZKA, Research Institute of Natural Products Program, pp. 32-60 (English abstract).
10. "Polymerization Reactions in the Group of Representatives Alkaloids, Part XII. The Isomerizing or the Allylic Components for the Synthesis of the Alkaline Compounds," Academician Z. SABADAL, J. JUDICEK, B. KALO and L. KALO, Research Institute of Pharmacy and Institute of Safety, Prague; pp. 36-55.
11. "Polymerization Reactions in the Group of Representative Alkaloids, Part XIII. On the Synthesis of the Basic Polymeric Isomers of Esters of Phenyl Propionic Acid, Phenyl Propionate, and the Reaction of Esters of Phenyl Propionic Acid with Phenyl Propionate," J. JUDICEK, pp. 57-71.
12. "Outline Circles of Synthetic Polymers," Part I. Isolation of Synthetic Polymers, L. JAROŠ, J. RUDOLFI, O. ALBERTA and J. JUDICEK, Institute of the Chemical Institute, Czechoslovak Academy of Sciences, Prague; pp. 77-90.
13. "On Polyesters, Part I-XIII. Structure of Polyesters Obtained by Polycondensation of Phenyl Propionic Acid," V. MAREK, J. JUDICEK and F. SOČIČ of the Institute of Organic Chemistry and Biochemistry Prague; pp. 91-107 (English abstract).
14. "General Description of Synthetic Polymers, I. Part II. On Structure of Polyesters and Their Derivatives," I. VILÍČEK, J. JUDICEK, O. ALBERTA and J. RUDOLFI of the Department of the Faculty of Technology of Masaryk University, Brno; Czechoslovak Institute of the Czechoslovak Academy of Sciences, Prague; pp. 119-129.
15. "Synthetic Polymers and Their Derivatives, Part III. On Structure and Properties of Poly(2-Oxyethyl Glucoside), Including Some of Their Applications," J. JUDICEK and J. RUDOLFI of the Institute of Organic Chemistry and Biochemistry Prague; pp. 131-145 (English abstract).
16. "Report on the Investigation of the Antidiabetic Activity of Synthetic Poly(2-Oxyethyl Glucoside) Salts," J. JUDICEK, J. RUDOLFI and F. SOČIČ of the Institute of Organic Chemistry and Biochemistry Prague; pp. 147-157 (English abstract).
17. "Study of the Preparation of Sodium Propyl Polymers," J. JUDICEK and J. RUDOLFI of the Institute of Organic Chemistry and Biochemistry Prague; pp. 159-169 (English abstract).

L 7688-66

ACC NR: AP6000909

SOURCE CODE: CZ/0043/65/000/001/0021/0027

AUTHOR: Sikl, D.—Shikl, D. (Engineer, Candidate of sciences); Masler, L. (Engineer, Candidate of sciences); Bauer, S.—Bauer, Sh. (Engineer, Candidate of sciences)

ORG: Department of Biochemistry of Saccharides, Chemical Institute, Slovak Academy of Sciences, Bratislava (Chemicky ustav Slovenskej akademie vied, Oddelenie biochemie sacharidov)

TITLE: Polysaccharides of yeast and yeast-like microorganisms. (I). Surface mannites of Candida albicans Berkhoult

SOURCE: Chemicke zvesti, no. 1, 1965, 21-27

TOPIC TAGS: polysaccharide, biochemistry, yeast, plant chemistry

ABSTRACT: Authors' English summary modified: From the surface of cellular membranes of pathogenous yeast Candida albicans Berkhoult Strain 109, a water-soluble polysaccharide with a degree of polymerization of 36 and a specific rotation $[\alpha]_D = +56^\circ$ was isolated. Methylesters of D-mannose found in the substance are described; glycerol is the only alcohol found in products of hydrolysis. It was found by means of acid hydrolysis that the mannite has alpha-glycosidic bonds. The investigated substance is

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0901 2122

CSÁKÓ, Albin; MASLÍK, Ladislav, inz. ČSČ.; ŠIKL, Dobroslav, inz. ČSČ.;
BAUER, Stefan, dr. inz. ČSČ.

Adenitoxol, a new cardiac glycoside of Adonis vernalis L.
Chem.vesti 18 no.4:273-280 '64

I. Institute of Chemistry, Department of Saccharide Biochemistry
Slovak Academy of Sciences, Bratislava, Dubravská cesta.

SIKL, Dobroslav, inz., C.Sc.; MAHLER, Ladislav, inz., C.Sc.; BAUER, Stefan,
dr. inz., C.Sc.

Polysaccharides of yeasts and yeastlike microorganisms. Pt.1.
Chem zvesti 19 no.1:21-27 '65.

1. Division of the Biochemistry of Saccharides of the Institute
of Chemistry of the Slovak Academy of Sciences, Bratislava, Dubravská
cesta.

SIKL, Dobreslav, inz. C.Sc.; BAUER, Stefan, dr., inz., C.Sc.; MASLER,
Ladislav, inz.

Isolation of heart glycosides from the red hellebore (*Helleborus purpurascens* W. A.k.). Part 2: Enzymatic hydrolysis of hellebrin in desglucohellebrin. Chem zvesti 16 no.3:206-209 Mr '62.

1. Ceskoslovenska akademie ved, Chemicky ustav Slovenskej akademie vied, Bratislava. Adresa autorov: Bratislava, Mlynske nivy 37, Chemicky ustav Slovenskej akademie vied).

SIKL, G

ROSICKY, R., doktor; SIKL, G., doktor, professor.

Recipients of state prizes in 1953. Chesk.biol. 2 no.4:248-247 Ag '53.
(MLRA 7:4)

(Jirovec, Otto, 1907-) (Vanek, Josef, 1915-)
(Pneumonia)

MELISEK, Jiri, inz.; SIKL, Jan, inz.

Some observations on automation of water-power electric plant Orlik.
Energetika Cz 11 no.11:557-559 N '61.

(Water-power electric plants)

SIKL, O.; SYTAROVA, J.

Bacterial flora of the uterus in puerperium. Cesk. gyn. 17 no.11-12:643-
648 1952. (CIML 23:4)

1. Of the First Obstetric-Gynecological Clinic (Head--Prof. L. Havlasek,
M. D.) of Masaryk University, Brno and of the Institute of Microbiology
(Head--Prof. V. Tomasek, M.D.) of District Clinical Hospital in Brno.

SIKL, Oldrich, MUDr.; KRIZ, Jaroslav, MUDr.

Treatment of premenopausal & menopausal hemorrhage by radium therapy.
Cesk. gyn. 23[37] no.3:210-215 Apr 58.

1. I. gyn. klinika MU v Brne, prednosta prof. Dr. Ludvik Havlasek.

O. S., I. gyn. klin. MU, Brno.

(CLIMACTERIC, FEMALE, compl.

hemorrh., menopausal & preclimacteric, radium ther. (Cz))

(RADIIUM, ther. use

preclimacteric & menopausal hemorrh. (Cz))

SIKL, Oldrich

Contribution to current appearances of puerperal breast infections.
Cesk. gym. 26[40] no.4:316-318 '61.

I. I. gym. por. klinika lek. fak. University J. E. Purkyne v Brne,
prednosta prof. MUDr. Ludvik Havlasek.

(PUERPERAL INFECTION prev & control)

(MASTITIS prev & control)

(STAPHYLOCOCCAL INFECTIONS prev & control)

SIKL, Oldrich; SCHREIBER, Bedrich; HAJICKOVA, Vera

Intradermal reaction to placental antigen in nephopathy in pregnancy.
Cesk. gyn. 26 [40] no.6:437-442 J1 '61.

1. I gyn. por. klin. UJEvP v Brne, prednosta prof. dr. L. Havlasek
Mikrobiol. ustan fak. nem. v Brne, zast. prednosta dr. L. Jandasek.
(PREGNANCY TOXEMIAS immunol.) (PLACENTAL Immunol.)

SNAJD, V., prof.; ANTOS, J.; LUKAS, V.; BOUDA, J.; BARDOS, A.; MANKA, J.;
HAJEK, A.; PACIN, Z.; SKACEL, K.; STIKSA, E.; SIKL, O.; SKODA, V.

Clinical aspects of carcinoma of the endometrium. Cesk. gynek. 27
no.3:173-177 Ap '62.

1. I gyn. klin. fak. vseob. lek. KU v Praze, prednosta prof. MUDr.
K. Klaus.

(UTERUS NEOPLASMS)

SIKL.O.

A new method of open treatment of surgical wounds in gynecology.
Cesk. gynek. 29 no.1:127-131 F'64

1. I. gyn.-por. klinika lek.fak. UJEvP v Brne; prednosta: prof.
dr. L.Havlasek [deceased].

*

SIKL, V.

Further complex development of the heavy-tonnage movement on railroads. p. 193.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy)
Praha, Czechoslovakia
Vol. 7, no. 7, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11.
Nov. 1959
Uncl.

SIKL, Vaclav

Operation of main railroad junctions. Zel dop tech 12
no.9:233-234 '64.

1. Stationmaster of the Most Junction.

SMADL, Doly Vitezneho, Komorany, Most, and Zeman, and
Prace, Pilsen, Jihlava.

Control of railroad operations in a coalfield district. See book
book 13 no.1:Suppl:1-8 file.

1. Head of the Unit of Operations, 'sti nad Labem (for Smadl).
2. Director of the No. 1 National Lignite District (for Aus-
bergen).
3. Head of Transportation Service of the Doly Vitezneho
National Enterprise (for Stary).
4. Director of the Doly
Vitezne National Enterprise, Komorany (for Zeman).
5. Head
of Transportation Service of the Coal Preparation Plant, Komorany
(for Kruse).
6. Chief of the Most Railroad Junction (for Sikl).

ENDES, P.; SCHIMERT, A.; TAKACSNAGY, L.; SIKLOS, I.

Tissue injuries due to the diagnostic and therapeutic use of oily materials. Orv. hetil. 93 no. 19:556-559 11 May 1952. (CLML 23:3)

1. Doctors. 2. Third Surgical Clinic (Director -- Prof. Dr. Pal Rubanyi), Budapest Medical University.

SZECSENY, Andor, dr.; SIKLOS, Istvan, dr.

Therapy of stomach perforation. Magy. sebeszet 8 no.6:361-368
Dec 55.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Sebeszeti
Klinikajának kozl. Igazgató: Rubanyi, Pal dr. egyetemi tanár.
(PEPTIC ULCER, perf.
ther., conservative & surg., statist. results.
(Hun))

SIKLOS, Istvan, dr.

Gastric tuberculosis. Magy. sebeszet 8 no.145-208:203-207 June 55.

1. A Budapesti Orvostudomanyi Egyetem III. sz. Sebeszeti Klinika-
janak kozlemenye. Igazgato: Ruhanyi Pal dr. egyetemi tanar.
(TUBERCULOSIS, GASTROINTESTINAL,
stomach, surg.)

SIKLOS, Istvan, dr.

Cystic duct stump syndrome. Orv. hetil. 98 no.16:401-405
21 Apr 57.

1. A Budapesti Orvostudomanyi Egyetem II. sz. Sebészeti
Klinikájának (igazgató: Rubanyi, Pal, dr. agyel. tanár)
közleménye.

(CHOLECYSTECTOMY, compl.
postop. cystic duct stump synd. (Hun))

MUNKACSI, I.; SIKLOS, I.

Blood supply of the common bile duct. Acta Morph. Acad. Sci. Hung. 11
no.2:179-188 '62.

1. Department of Anatomy (Director: F. Kiss) and Second Department of
Surgery (Director: P. Rubanyi), University Medical School, Budapest.

(BILE DUCTS blood supply)

SIKLOS, Istvan, dr.

Experimental research on cicatrical stenosis of the bile ducts.
Magy. sebesz. 15 no. 6: 354-362 D '62.

1. A Budapesti Orvostudomanyi Egyetem II. sz. Sebeszeti Klinikajának
kozlemenye. Igazgató: Rubanyi Pal dr. egyetemi tanár.
(BILE DUCTS)

SIKLOS, I.

Is the patient-physician relation in crisis? Orv. hetil. 104 no.4:
186-187 27 Ja '63.

(PHYSICIAN-PATIENT RELATION) (STATE MEDICINE)

SIKLOS, Istvan, dr.

Role of radionanometry in the diagnosis of diseases of the biliary
ducts. Magy sebesz. 17 no.4:258-262 Ag $\text{^{113}}$.

1. A Budapesti Orvostudomanyi Egyetem I sz. Sebeszeti Klinikaja.
(Igazgato: Rubanyi Pal dr. egyetemi tanar).

HUNGARY

NAGY, Laszlo, Dr, RUBANYI, Pal, Dr, SIKLOS, Istvan, Dr, SZUCS, Janos, Dr; Medical University of Budapest, II. Institute of Pathological Anatomy (director: HARANGHY, Laszlo, Dr, prof.), I. Surgical Clinic (director: RUBANYI, Pal, Dr, prof.) and I. Medical Clinic (director: MACYAR, Imre, Dr, prof.) (Budapesti Orvostudomanyi Egyetem, II. sz. Korbonctani Intezet, I. sz. Sebeszeti Klinika es I. sz. Belgyogyaszati Klinika).

"Problems of the Treatment of Island-Adenomas of the Pancreas and Hyperinsulinism."

Budapest, Magyar Sebeszet, Vol XIX, No 4, Aug 66, pages 227-235.

Abstract: [Authors' Hungarian summary] The pathology, diagnosis, symptomatology and therapy of island-adenomas of the pancreas and other disorders causing hyperinsulinism are discussed in the article. In a case described, an insuloma with signs of malignant changes was successfully removed. The importance of an early diagnosis is stressed. Similar cases were not found in the domestic literature, 12 Eastern European, 18 Western references.

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SIKLOS, Pal, kandidatus

Report on the open debate on the dissertation prepared by
Imre Lorincz to obtain the title of candidate of chemical
sciences. Kem tud kozl 20 no.3:423-427 '63.

SIKLOS, T.

Presentations of S. V. Vonsovskii's book Modern Theory of Magnetism. p. 114.
(Magyar Tudomanyos Akademia, Vol. 7, No. 1, 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

SIKLO'S, T.
HUNGARY/Magnetism - Ferrites and Ferrimagnetism

F-4

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 1167
Author : Siklo's, T.
Inst : Central Scientific Research Institute for Physics,
Hungarian Academy of Sciences, Budapest.
Title : On the Quantum Mechanical Theory of Ferromagnetic
Semiconductors.
Orig Pub : Acta phys. phys. Acad. sci. hung., 1957, 7, No 1, 141-149

Abstract : The author gives a quantum-mechanical theory of the temperature dependence of the spontaneous magnetization of ferromagnetic semiconductors in the low temperature range. The calculations are based on the assumption that magnetic sublattices exist, an assumption confirmed experimentally by neutron-diffraction investigation. The method of second quantization is used in the calculation in the form

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SIKLOS, T.

4

8. On the ferromagnetic anisotropy of uniaxial crystals as
reflected by the quantum theory? T. SIKLOS, G. V. Tyab-
likov. A Magyar Tudományos Akadémia Fizikai
Kutató Intézetének Közleményei (Proceedings of the Central
Research Institute for Physics of the Hungarian Academy
of Sciences), Vol. 6, 1958, No. 5, pp. 408-419

11/30/1981
The anisotropy of the magnetic properties of ferromagnetic crystals is considered as the anisotropic interaction between electrons of the unsaturated subshells. The energy spectrum of magnetically uniaxial ferromagnetic monocrystals is determined and magnetization parallel and normal to the principal axis of the crystal is calculated in terms of temperature and of the external magnetic field.

Bmf